

5620

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/520,901
Source: PCU/10
Date Processed by STIC: 1/24/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>10/520, 901</u>
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ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
FYI Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/520,901

DATE: 01/24/2005
TIME: 10:01:10

Input Set : A:\PTO.YF.txt
Output Set: N:\CRF4\01242005\J520901.raw

2 <110> APPLICANT: KANSAI TLO
W--> 3 <120> TITLE OF INVENTION: Selective Replication of Tumor-specific Replication-competent Adenovirus

W--> 4 on Tumor Cells

W--> 5 <130> FILE REFERENCE: 42002.TP

W--> 6 <140> CURRENT APPLICATION NUMBER: 10/520,901
7 <141> CURRENT FILING DATE: 2005-01-07

W--> 8 <160> NUMBER OF SEQ ID: 8

W--> 8 <100> NUMBER OF SEQ ID: 8
9 <170> SOFTWARE: PatentIn Ver 3.1

11 <210> SEQ ID NO: 1

11 <210> SEQ ID NO:
13 <311> LENGTH: 898

12 <211> LENGTH: 89
13 <212> TYPE: DNA

13 <212> TYPE: DNA

14 <213> ORGANISM: 293 cell
15 126 SEQUENCE

W--> 15 <400> SEQUENCE: 1

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16 acacccggac taaaaatgag acatattatc tgccacggag gtgttattac cgaagaatcg
17 gcccgcagtc ttttggacca gctgatcgaa gaggtactgg ctgataatct tccacctcct
18 agccattttg aaccacctac cttcacgaa ctgtatgatt tagacgtgac ggccccgaa
19 gatccaacg aggaggcggt ttgcagatt tttcccgact ctgtaatgtt ggcgggtcgag
20 gaagggattg acttactcac tttcccgccg ggcggccggtt ctccggagcc gcctcacctt
21 tcccgccagc ccgagcagcc ggagcagaga gccttggtc cggttctat gccaacaccc
22 gtacccggagg tgatcgatct tacctgccac gaggctggct ttccacccag tgacgacgag
23 gatgaagagg gtgaggagtt tggtttagat tatgtggagc accccggca cggttgcagg
24 tcttgtcatt atcaccggag gaatacgggg gacccagata ttatgtgttc gctttctat
25 atgaggacct gtggcatgtt tgtctacagt cctgtgtctg aacctgagcc tgagcccgag
26 ccagaaccgg agcctgcaag acctacccgc cgtctaaaa tggcgctgc tattccgtgaga
27 cgcccgacat cacctgtgtc tagagaatgc aatagtagta cgatagctg tgactccgg
28 ccttctaaca cacccctgta gatacaccgg gtggtccgcg tggcccccattaaaccagtt
29 gccgtgagag ttggtggcg tcggcaggct gtggaaatgtt tcgaggact gcttaacgag
30 cctgggcaac ctttggactt gagctgtaaa cggcccaaggc cataagggtgt aaacctgtg

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32 <210> SEQ ID NO: 2

33 <211> LENGTH: 1823

34 <212> TYPE: DNA

35 <213> ORGANISM: 293 cell

same error

W--> 36 <400> SEQUENCE: 2

37 ctgacacctat ggaggcgttgg gagtgtttgg aagatttttc tgctgtgcgt aacttgcgt
38 aacagagctc taacagtacc tcttgggttt ggaggttct gtggggctca tcccaggcaa
39 agtttagctg cagaattaag gaggattaca agtggaaatt tgaagagctt ttgaaatct
40 gtgggtgagct gtttgattct ttgaatctgg gtcaccaggc gctttccaa gagaaggctca
41 tcaagacttt ggattttcc acaccggggc gogctgcggc tgctgttgct tttttgagtt
42 ttataaagga taaatggagc gaagaaaccc atctgagcgg ggggtacctg ctggattttc
43 tggccatgca tctgtggaga gcgttgtga gacacaagaa tcgcctgcta ctgttgctt
44 ccgtccgccc ggcgataata ccgacggagg agcagcagca gcagcaggag gaagccaggc
45 ggcggcggca ggagcagagc ccatggaaacc cgagagccgg cctggaccct cgggaatgaa
46 tgggtacag gtggctgaac tgtatccaga actqaqacqc atttqacaa ttacaqqa

please
align
your
cumulative
totals
per 1.822
of sequence
Rules,
the totals
are aligned at
right margin

60
120
180
240
300
360
420
600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/520,901

DATE: 01/24/2005

TIME: 10:01:10

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

47 tggcagggg ctaaaggggg taaagaggga gcggggggct tggaggcta cagaggaggc
 48 taggaatcta gcttttagct taatgaccag acaccgtcct gagtgttatta ctttcaaca
 49 gatcaaggat aattgcgcta atgagcttga tctgtggcg cagaagtatt ccatacgac
 50 gctgaccact tactggctgc agccaggggg tgatttgag gaggctatta gggtatatgc
 51 aaaggtggca cttaggccag attgcaagta caagatcagc aaacttgtaa atatcaggaa
 52 ttgttgctac atttctggga acggggccga ggtggagata gatacggagg atagggtggc
 53 ctttagatgt agcatgataa atatgtggcc ggggtgctt ggcattggacg ggggtggttat
 54 tatgaatgtta aggttactg gcccattt tagcggtacg gtttcttgg ccaataccat
 55 ctttacccca cacgggttaa gcttctatgg gtttacaat acctgtgtgg aagctggac
 56 cgatgttaagg gttcggggct gtgcctttt ctgctgtgg aagggggtgg tgtgtcgccc
 57 caaaagcagg gcttcaatta agaaatgcct ctttggaaagg tttttttttt gttttttttt
 58 tgagggttaac tccagggtgc gcccataatgt ggcctccgac tttttttttt tttttttttt
 59 gaaaagcgtg gctgtgatta agcataacat ggtatgtggc aactgcgagg acaggccctc
 60 tcagatgtcg acctgtctgg acggcaactg tcacccgtt aagaccatc acgttagccag
 61 ccaacttcgc aaggccctggc ctttggaaagg tttttttttt gttttttttt gttttttttt
 62 tttgggttaac aggagggggg tttttttttt ttaccatgc aatttggatc acactaagat
 63 attgttgag cccgagagca tttttttttt gttttttttt gttttttttt gttttttttt
 64 gaagatctgg aaggtgttgc ggtacgttgc gttttttttt gttttttttt gttttttttt
 65 tggcggtaaa catatttgc accggcctgt gatgtggat gttttttttt gttttttttt
 66 cgatcttgc gttttttttt gttttttttt gttttttttt tttttttttt tttttttttt
 67 ttgaggtact gaaatgttgc ggc
 69 <210> SEQ ID NO: 3
 70 <211> LENGTH: 605
 71 <212> TYPE: DNA
 72 <213> ORGANISM: 293 cell

W--> 73 <400> SEQUENCE: 3

660
720
780
840
900
960
1020
1080
1140
1200
1260
1320
1380
1440
1500
1560
1620
1680
1740
1800
1823

74 tgcattctagg gcggccaatt ccccccctt cccctcccccc cccctaacgt tactggccga
 75 agccgcttgg aataaggccg gtgtgcgtt gtctatatgt gattttccac catattggcg
 76 tcttttggca atgtgagggc cccggaaacccctt gggccctgtct tcttgcggat cattccctagg
 77 ggtttttccctt ctctcgccaa aggaatgcctt ggtctgttgc atgtcgttgc ggaagcagtt
 78 cctcttggaaag cttttttttt gttttttttt tttttttttt tttttttttt tttttttttt
 79 ccccccacccctt ggcacagggtt cctctgcggc caaaagccac gtgtataaga tacacccgtt
 80 aaggccggcac aaccccaactt ccacgttgc agttggatag ttgtggaaag agtcaaattttt
 81 ctctcccttcaaa gcttattttttt caagggctgtt aaggatgcggcc agaagggtacc ccatttttgc
 82 ggttctgtttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
 83 cgttcttgc ccccgaaatccca cggggacgtt gttttttttt gaaaaacacg atgataatgg
 84 tgccca
 86 <210> SEQ ID NO: 4
 87 <211> LENGTH: 455
 88 <212> TYPE: DNA
 89 <213> ORGANISM: 293 cell

W--> 90 <400> SEQUENCE: 4

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120
180
240
300
360
420
480
540
600

91 tggccccccttcc ctcgggttac cccacacgttcc agggccgatttcc gacccatcttc cgctggggcc
 92 ctcgtggcg tccctgcacc ctggggagcgcc gagcggcgccg cggggggggga agcggggccc
 93 agaccccccgg gtcggcccg aggagctgcgtt ctgtggggcc caggccggggcc tccctgttgc
 94 ttccggggca cagacgcggca ggaccggcgct cccacgttgc cggggggact ggggacccgg
 95 gcaccccttcc tggcccttca cttccatgttcc ccccttccatgttcc cggccggacc ccccccgttcc
 96 ccggaccccttcc ccgggttttttcc gggccagccccc cttccggggcc cttccatgttcc ccccccgttcc
 97 ttccggccgc cccggcccttcc ctcgtggcgcc cgatgttgc gttttttttt gttttttttt

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/520,901

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TIME: 10:01:10

Input Set : A:\PTO.YF.txt
Output Set: N:\CRF4\01242005\J520901.raw

98 gcacgtggga agccctggcc ccggccaccc ccgcg 455
100 <210> SEQ ID NO: 5
101 <211> LENGTH: 20
102 <212> TYPE: DNA
103 <213> ORGANISM: 293 cell
W--> 104 <400> SEQUENCE: 5
105 acaccgggac tgaaaaatgag 20
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 21
109 <212> TYPE: DNA
110 <213> ORGANISM: 293 cell
W--> 111 <400> SEQUENCE: 6
112 cacaggttta caccttatgg c 21
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 20
116 <212> TYPE: DNA
117 <213> ORGANISM: 293 cell
W--> 118 <400> SEQUENCE: 7
119 ctgacacctat ggaggcttgg 20
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 21
123 <212> TYPE: DNA
124 <213> ORGANISM: 293 cell
W--> 125 <400> SEQUENCE: 8
126 gcccacacat ttcaagtacct c 21

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/520,901

DATE: 01/24/2005
TIME: 10:01:11

Input Set : A:\PTO.YF.txt
Output Set: N:\CRF4\01242005\J520901.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3
Seq#:2; Line(s) 37,38,39,40,41,42,43,46,48,49,50,53,54,55,56,57,58,61,62,63
Seq#:2; Line(s) 66
Seq#:3; Line(s) 74,75,76,77,81,82,83
Seq#:4; Line(s) 91,95,97

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/520,901

DATE: 01/24/2005

TIME: 10:01:11

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

L:3 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:283 W: Missing Blank Line separator, <140> field identifier
L:8 M:283 W: Missing Blank Line separator, <160> field identifier
L:15 M:283 W: Missing Blank Line separator, <400> field identifier
L:36 M:283 W: Missing Blank Line separator, <400> field identifier
L:73 M:283 W: Missing Blank Line separator, <400> field identifier
L:90 M:283 W: Missing Blank Line separator, <400> field identifier
L:104 M:283 W: Missing Blank Line separator, <400> field identifier
L:111 M:283 W: Missing Blank Line separator, <400> field identifier
L:118 M:283 W: Missing Blank Line separator, <400> field identifier
L:125 M:283 W: Missing Blank Line separator, <400> field identifier